

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA
WITH COMPARATIVE DATA

1953

WICHITA, KANSAS



NARRATIVE CLIMATOLOGICAL SUMMARY

Wichita has a normal temperature of 57.0° which is as high as some parts of the state of Virginia. We enjoy more sunshine than many areas to the east and have generous summer rains. This favorable combination of elements and the fertile soil in the area accounts for the high place in crop productions.

The city lies in the path of alternate masses of warm moist air moving northward from the Gulf of Mexico and currents of cold dry air from the polar regions. Consequently, weather is subject to frequent and often abrupt changes, though such changes are usually of short duration. Summer months are usually warm and occasionally the term "hot" is a better description. Winters are usually mild. The absolute temperature range for Wichita is from 114° on August 12, 1936, to -22° recorded on February 12, 1899.

The Wichita vicinity is at an average elevation of about 1300 feet, which is conducive to a great night and day temperature range than would be expected at lower altitudes. Spring occurs earlier than northern parts of the state with the average date of last killing frost in the spring April 8 and the first killing frost in the fall October 25, a growing season of 202 days. The record for shortest growing season is 163 days and the longest season is 245 days. Principal crops are hard winter wheat, corn, alfalfa and grain sorghums.

Annual precipitation is the determining factor in annual crop production. Normal annual precipitation is 30.70 inches distributed with heaviest fall in the spring and summer months and the least monthly from late fall through the winter months. The wettest year on record is 1951 (see Total Precipitation Table). The driest year on record was 1936 with only 18.58 inches. Downpours of over 5 inches in 24 hours have occurred several times during record of the station. The greatest 24-hour amount ever recorded was 7.99 inches on September 6 and 7, 1911. Other maximum amounts for indicated time intervals and dates here follow: 2 hours, 3.54 inches September 6 and 7, 1911; 1 hour, 3.28 inches July 31, 1950; 30 minutes, 2.31 inches July 31, 1950; 15 minutes, 1.52 inches June 14, 1931; 10 minutes 1.08 inches June 14, 1931; and 5 minutes, 0.66 September 6, 1911.

Snowfall is heaviest from December through March, with February having the greatest average amount of 3.6". The greatest monthly fall on record was 20.5" for February 1913 and the heaviest 24-hour fall was 12.3" on December 23 and 24, 1918.

Wind velocities are about average compared with other mid-western areas. The windiest months of the year are March and April with respective averages of 14.9 and 14.7 mph. August has the least wind with an average of 11.3 mph and the annual average is 12.8 mph.

There is a marked variation in wind through the various hours of the day, increasing during the warmest hours of the afternoons and diminishing during the nighttime hours. The prevailing wind direction is south, though occasionally strong northerly winds accompany the advent of severe cold fronts. Occasionally and during a summertime heat wave, strong and hot southerly winds do considerable damage to growing crops in a few hours duration.

The fastest mile of wind ever recorded was 100 mph during a passing line squall. Tornado funnels have been observed in the vicinity on many occasions but the city has never been struck by a fully developed tornado.

Clear to partly cloudy days are far in the majority resulting in average daily sunshine of 69%. High sunshine percentage obviously reduces humidity, resulting in drier days and few that can be called "muggy". Humidity is higher during nighttime and lower during the day.

Thunderstorms occur on an average of 52 days per year with the greatest frequency during the heaviest precipitation period, spring and summer. Hail accompanying thunderstorms is not uncommon though heavy hail damage is infrequent.

On an average, temperatures of 90 degrees or above occur on 51 days per year while there are only 2 days a year when zero degrees or lower is recorded.

Occasional downpours of rain naturally contribute to a local flooding condition. The Big Arkansas River cannot be fully credited with a major flood in the city but is usually a contributing factor. The Little Arkansas has been the primary offender with five major floods in the past 51 years. The greatest discharge from the Little Arkansas was on July 6, 1904, but the greatest damage resulted from flooding in April of both 1944 and 1945 because of expansion of the city and development of commercial, industrial, and residential areas in the path of the flood.

The surrounding terrain would be a gentle sloping character and has no large bodies of water which would affect the climatic conditions in this vicinity. Although the instruments are located on the roof of the administration building, no unfavorable effects have been noticed.

LATITUDE 37° 39' N
 LONGITUDE 97° 25' W
 ELEVATION (ground) 1321 FEET

METEOROLOGICAL DATA FOR THE CURRENT YEAR

WICHITA, KANSAS
 MUNICIPAL AIRPORT
 1953

Month	Temperature						Precipitation						Relative humidity			Wind			Number of days																					
	Averages			Extremes			Degree days			Snow, Sleet, Hail			12:30 A.M. CST			Fastest mile			Sunrise to sunset			Temperatures																		
	Daily maximum	Daily minimum	Monthly	Highest Date	Lowest Date	Degree days	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	12:30 A.M. CST	6:30 A.M. CST	12:30 P.M. CST	6:30 P.M. CST	Speed	Direction	Date	Clear	Partly cloudy	Cloudy	Precipitation	01 inch or more	Snow, Sleet, Hail 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	Maximum	Minimum	Zero and below							
JAN	47.9	26.9	37.4	69	26	3	16	846	0.15	0.12	16-17	1.7	1.5	16-17	77	83	63	66	13.7	NNW	35	NW	15	71	5.3	9	13	9	3	0	0	0	0	0	0					
FEB	52.1	29.7	40.9	69	4	11	21	670	0.82	0.43	9-10	1.0	1.0	24	64	73	50	48	15.6	S	49	NW	15	74	4.9	10	8	10	1	1	0	0	0	0	0					
MAR	59.4	39.4	49.4	83	20	19	4	481	3.35	1.88	30	0.7	0.7	3	67	74	56	54	15.4	S	47	NW	21	62	6.2	8	10	14	0	0	0	0	0	0	0					
APR	62.5	41.1	51.8	80	22	28	18	403	0.57	0.25	29	T	T	29+	66	73	47	49	16.2	S	47	NW	25	71	5.3	10	10	10	7	0	0	0	0	0	0					
MAY	75.4	55.8	65.6	99	31	37	14+	156	2.02	0.76	12	T	T	10+	74	81	54	52	15.6	S	45	SW	10	67	6.3	7	9	15	0	0	0	0	0	0	0					
JUNE	95.4	70.8	83.1	109	15	58	6	0	2.17	1.22	21-22	T	T	21	62	71	42	41	17.9	S	73	NE	21	74	4.2	13	12	5	0	0	0	0	0	0	0					
JULY	88.6	68.8	78.7	104	5	57	12+	1	2.39	1.73	11-12	0	0	0	73	83	52	52	12.5	S	42	SE	15	60	5.0	12	10	9	8	0	0	0	0	0	0	0				
AUG	90.0	67.6	78.8	99	14	60	20	0	0.82	0.47	2-3	0	0	0	62	75	43	40	12.8	S	34	NW	6	81	4.5	15	9	7	0	0	0	0	0	0	0					
SEPT	88.7	61.4	75.1	103	28	48	22	9	0.53	0.44	3	0	0	0	47	59	32	29	15.7	S	35	S	23	88	2.2	22	5	3	0	0	0	0	0	0	0					
OCT	73.5	51.7	62.6	93	1	33	27	159	3.77	1.76	3	T	T	26+	59	71	49	47	13.3	S	43	S	2	69	5.1	13	6	12	0	0	0	0	0	0	0					
NOV	55.9	37.5	46.7	70	17+	26	9	542	1.46	1.21	18-19	1.4	1.4	6-7	73	83	59	66	13.9	SSW	49	S	19	69	4.7	13	8	9	0	0	0	0	0	0	0					
DEC	45.7	27.3	36.5	58	2+	8	23	1	1.06	0.73	2-3	2.4	2.4	21	77	82	64	72	14.7	S	42	N	22	68	4.2	16	6	6	0	0	0	0	0	0	0					
Year	69.6	48.2	58.9	109	JUNE	15	3	16	4143	19.11	1.88	MAR	30	7.2	2.4	DEC	21	67	76	51	51	14.8	S	73	NE	JUNE	21	73	4.8	148	105	112	69	2	39	14	82	7	88	0

NORMALS, MEANS, AND EXTREMES

Month	Temperature						Precipitation						Relative humidity			Wind			Mean number of days																								
	Normal			Extremes			Normal degree days			Snow, Sleet, Hail			12:30 A.M. CST			Fastest mile			Sunrise to sunset			Mean			Temperatures																		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	(b)	(b)	Normal total	Maximum monthly	Year	Mean total	Maximum monthly	Year	Mean	Hourly speed	Prevailing direction	Fastest mile	Clear	Partly cloudy	Cloudy	Precipitation	01 inch or more	Snow, Sleet, Hail 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	Max.	Min.											
(a)	(b)	(b)	(b)	65	65	(b)	65	65	65	65	65	65	65	65	65	14	65	65	65	42	5	65	65	40	65	65	65	65	65	65	65	65											
J	41.3	22.6	32.0	74	1911	-15	1912	1023	1.05	6.29	1949	T	1919+	1.75	1949	3.3	19.6	1949	7.0	1949	76	78	63	66	12.5	S	51	NW	1945	61	5.0	13	8	10	5	1	2	0	8	25	1		
F	47.8	26.5	37.2	82	1930	-22	1899	778	0.98	4.61	1915	T	1930+	3.04	1898	3.6	20.5	1913	9.0	1938	75	77	57	58	13.2	S	56	NW	1941	64	5.2	11	8	9	6	1	2	0	5	21	1		
M	56.4	34.1	45.3	92	1916	-3	1948	619	1.74	4.55	1944	T	1936+	2.33	1947	2.9	16.8	1912	12.0	1909	74	76	53	54	14.9	S	82	NW	1919	64	5.2	10	7	1	3	1	2	13	*	0	0		
A	67.0	45.3	56.2	98	1893	15	1936	280	3.52	12.42	1944	0.25	1893	6.03	1944	0.4	6.5	1901	6.2	1938	71	75	52	51	14.7	S	68	NW	1949	64	5.3	10	10	10	8	8	*	*	2	0	0		
M	75.3	54.5	64.9	100	1913	27	1909	101	3.79	11.22	1935	0.97	1913	4.13	1915	T	1953+	77	79	55	56	13.1	S	70	SW	1921	66	5.3	10	11	10	11	0	8	*	1	0	0					
J	86.0	64.6	75.3	109	1953+	44	1897	7	4.99	14.43	1923	T	1911	7.06	1923	T	1953+	77	79	53	54	12.9	S	73	NE	1953	73	4.6	12	12	6	9	0	9	0	0	0	0	0	0			
J	92.3	69.4	80.9	112	1936	53	1892	0	3.43	13.37	1950	0.10	1916	5.29	1950	T	1949+	74	78	48	50	11.5	S	100	N	1948	79	3.9	15	12	4	8	0	8	*	17	0	0	0	0	0		
A	91.7	68.0	79.9	114	1936	45	1893	0	2.96	8.50	1933	T	1913	5.54	1938	T	1950	78	47	49	11.3	S	59	NW	1945	77	3.8	16	11	4	8	0	8	*	17	0	0	0	0	0			
S	82.8	60.5	71.7	108	1947	32	1932	32	3.23	10.58	1945	0.23	1911	7.99	1911	T	1951+	70	79	49	53	12.5	S	59	NE	1952	73	3.9	16	8	6	8	0	6	1	7	0	0	0	0	0	0	
O	70.8	49.5	60.2	95	1947	14	1917	219	2.18	5.98	1918	0.00	1952	3.26	1926	0.1	2.5	1905	2.1	1905	69	76	51	54	12.3	S	50	S	1924	69	4.0	16	8	7	7	5	*	3	1	1	1	1	1
N	55.1	35.0	45.1	83	1909	4	1940	597	1.73	6.69	1909	T	1921+	4.74	1909	0.9	9.0	1888	9.0	1888	72	77	56	59	12.8	S	72	S	1942	66	4.4	14	7	9	5	*	1	1	1	1	1	1	
D	44.6	26.3	35.5	75	1939	-10	1894	915	1.10	3.98	1944	0.02	1950	2.97	1944	2.8	16.3	1918	77	79	64	66	12.1	S	52	S	1950	59	5.0	13	8	10	5	1	2	0	5	23	*				
Year	67.6	46.4	57.0	114	AUG	1936	-22	FEB	4571	30.70	14.43	1923	0.00	1952	7.99	1911	14.0	20.5	1913	12.3	1918	74	78	54	56	12.8	S	100	N	1948	69	4.6	157	113	95	87	4	52	10	51	21	96	2

(a) Length of record, years. (b) Normal values are based on the period 1921-1950, and are means adjusted to represent observations taken at the present standard location.

See Reference Notes on last page.

AVERAGE TEMPERATURE

TOTAL PRECIPITATION

WICHITA, KANSAS
MUNICIPAL AIRPORT
1953

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1900	37.4	29.8	44.2	58.2	66.3	75.8	78.4	81.7	72.2	63.3	44.4	37.2	57.4
1901	35.2	31.1	44.4	54.4	65.4	78.7	85.4	80.6	70.4	62.3	47.5	32.6	57.3
1902	31.8	28.6	47.2	56.8	69.2	72.3	78.0	79.5	64.0	61.2	47.9	30.6	55.7
1903	34.5	29.6	45.5	56.3	62.9	63.9	80.2	77.1	68.8	59.2	42.8	36.9	55.3
1904	32.6	35.5	48.9	52.7	63.4	72.0	76.7	76.0	73.1	61.0	49.2	33.7	56.2
1905	23.2	23.2	52.6	55.2	64.6	76.6	76.0	79.6	72.8	55.2	47.8	35.1	55.2
1906	36.4	36.9	34.2	60.2	66.2	73.3	74.4	77.3	71.4	55.4	42.5	38.2	55.5
1907	33.6	36.7	54.6	50.0	59.1	73.4	79.5	79.4	71.8	58.6	49.9	38.0	56.6
1908	37.6	39.3	50.6	56.6	65.3	73.1	76.6	77.1	70.1	56.2	46.3	33.0	57.2
1909	30.6	38.0	43.2	54.8	63.7	74.4	79.6	81.0	72.5	59.0	50.0	24.8	56.0
1910	33.0	30.8	58.1	58.7	61.6	73.3	81.4	77.4	61.3	46.4	35.1	57.4	
1911	35.4	37.6	45.4	55.4	67.6	81.5	78.1	77.2	76.1	57.2	40.6	33.6	57.4
1912	21.8	32.0	33.6	54.7	68.0	70.8	81.6	78.2	67.7	60.6	46.8	36.2	54.3
1913	30.6	26.9	40.8	59.0	67.9	75.0	82.4	35.6	69.1	55.0	51.2	35.4	56.6
1914	33.5	32.0	46.2	56.0	64.8	79.6	82.4	78.6	73.6	59.3	50.9	25.7	57.3
1915	32.0	39.6	33.8	60.8	61.2	70.7	76.1	71.0	70.4	60.8	51.1	37.6	55.4
1916	27.1	33.4	48.7	52.2	66.2	72.4	83.0	81.6	69.3	58.8	46.2	31.0	55.8
1917	33.8	32.8	45.7	54.2	58.6	74.8	82.2	74.7	70.4	51.9	47.4	26.4	54.6
1918	19.4	36.1	50.9	50.8	68.0	79.8	78.7	83.7	65.4	61.4	44.8	37.4	56.4
1919	32.4	34.0	46.6	54.4	63.2	73.6	81.4	80.4	74.3	56.2	41.5	28.2	55.5
1920	31.7	37.1	47.1	51.0	65.4	73.6	78.5	74.4	71.2	62.8	40.9	35.8	55.8
1921	39.1	42.2	51.2	56.2	67.8	74.7	81.0	79.8	75.3	61.2	45.6	36.6	59.2
1922	30.8	35.8	44.8	55.5	66.2	76.1	77.5	80.8	73.4	60.9	47.6	36.4	57.2
1923	41.4	33.6	41.6	55.8	62.6	74.3	80.8	81.4	71.8	53.8	47.3	38.6	56.9
1924	27.9	37.4	37.6	56.2	59.3	76.9	77.0	80.8	67.2	63.4	48.1	27.0	54.9
1925	26.2	41.2	50.4	62.2	64.5	80.0	81.0	79.6	70.4	49.0	45.2	34.2	57.3
1926	33.4	43.3	42.1	50.3	67.4	73.6	78.8	79.9	69.4	59.8	41.8	34.0	56.1
1927	33.4	40.8	44.9	59.0	65.8	72.5	77.0	82.4	71.0	63.5	46.2	29.6	56.4
1928	36.3	38.6	48.0	52.8	66.6	74.3	80.8	81.4	71.8	53.8	47.3	37.6	57.1
1929	26.4	27.4	49.1	56.4	61.8	73.7	79.2	80.7	69.6	59.6	38.0	36.3	55.0
1930	19.0	48.6	44.0	62.0	63.8	74.4	82.3	80.7	72.9	56.6	47.0	35.6	57.2
1931	39.0	43.6	41.1	54.2	61.6	77.8	81.6	77.2	79.4	64.2	49.4	42.1	59.3
1932	32.4	43.2	38.1	59.9	67.0	75.0	82.8	80.6	71.5	56.8	42.4	31.4	56.8
1933	42.5	33.6	47.6	57.5	57.8	82.6	85.2	78.2	76.0	60.0	49.5	40.6	59.9
1934	36.5	37.9	45.0	57.8	69.2	82.2	88.2	80.5	66.4	64.2	49.6	34.2	59.7
1935	35.7	39.4	52.4	52.8	65.0	70.7	71.2	84.6	82.0	70.6	57.4	41.8	57.0
1936	28.0	25.0	51.0	56.5	69.6	79.0	87.8	89.0	76.2	56.1	44.8	39.8	58.4
1937	24.3	33.7	40.6	56.0	67.6	76.4	81.0	80.4	72.0	58.4	42.0	33.6	55.9
1938	35.6	38.9	51.9	56.7	64.6	74.6	82.2	84.2	74.2	67.0	43.9	38.0	59.3
1939	40.5	30.3	48.0	55.1	69.4	76.4	84.4	80.0	77.6	64.0	46.2	41.1	59.4
1940	16.2	34.8	46.2	54.6	65.6	75.4	81.4	77.4	71.0	65.8	40.7	37.5	55.6
1941	34.4	34.6	40.6	57.0	69.1	72.7	80.0	79.6	72.2	59.4	45.4	39.6	57.0
1942	32.0	33.8	45.7	59.0	63.6	73.6	80.8	77.2	67.5	58.9	46.8	32.4	55.9
1943	30.0	40.4	39.0	59.6	61.2	76.6	80.9	84.4	68.7	57.6	44.1	31.6	56.2
1944	36.8	38.8	41.0	51.4	67.8	78.4	79.6	79.6	70.4	60.8	47.5	31.5	57.0
1945	31.1	35.2	51.4	53.0	62.2	70.4	78.6	79.1	69.8	58.0	48.0	28.0	55.6
1946	32.5	44.0	54.0	60.8	61.9	73.6	83.3	84.9	79.6	67.0	61.4	40.0	59.4
1947	34.0	31.8	39.6	53.6	62.6	74.0	79.0	85.0	75.4	68.4	41.6	34.4	56.8
1948	27.8	32.0	39.9	63.0	66.0	75.2	78.2	79.0	73.3	59.4	44.0	35.8	56.1
1949	23.6	32.8	43.7	56.0	67.2	76.5	80.3	76.6	66.2	60.0	50.8	37.2	55.9
1950	30.4	39.4	42.2	52.6	65.5	75.7	73.5	72.8	68.3	65.0	42.3	34.5	55.2
1951	32.2	37.7	39.9	51.9	65.3	71.0	78.7	79.7	66.2	56.8	39.5	33.7	54.4
1952	36.5	40.5	40.7	53.9	66.0	82.5	81.0	81.1	72.8	56.6	43.5	33.9	57.3
1953	37.4	40.9	49.4	51.8	65.6	83.1	78.7	78.8	75.1	62.6	46.7	36.5	58.9
MEAN	32.1	35.3	45.0	56.3	65.1	75.2	80.0	79.3	71.3	59.6	45.3	35.2	56.6
MAX	41.4	45.4	55.9	66.9	75.1	85.5	90.6	90.2	82.2	70.3	55.2	44.2	66.9
MIN	22.8	25.2	34.1	45.8	55.1	64.8	69.3	68.4	60.3	48.9	35.4	26.1	46.3

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1900	0.10	2.10	0.83	2.77	6.50	3.41	2.16	1.69	5.64	5.71	0.21	0.73	31.85
1901	0.25	1.29	1.52	5.83	1.40	3.16	3.44	2.00	3.04	3.86	1.16	0.52	27.47
1902	0.32	0.75	2.79	0.87	10.33	7.11	4.12	5.28	2.69	2.02	1.76	0.69	38.73
1903	0.08	1.71	1.61	3.31	7.97	1.26	1.46	4.46	2.25	5.96	0.75	0.26	31.08
1904	0.12	0.04	4.23	2.65	5.74	5.69	7.46	1.42	3.10	0.35	0.07	0.24	31.11
1905	0.45	0.64	3.67	2.14	4.24	5.53	5.9	1.34	6.70	1.63	0.58	0.21	34.53
1906	0.53	0.58	1.68	3.09	4.30	1.82	6.88	3.30	4.33	2.12	0.97	0.35	31.00
1907	2.97	1.53	0.81	9.12	6.32	3.37	1.28	3.14	3.36	2.18	0.50	0.85	31.51
1908	0.16	2.50	0.80	1.77	9.28	5.85	2.96	6.57	3.21	2.24	0.34	0.03	37.71
1909	0.27	0.89	1.47	1.58	3.64	5.71	3.26	1.01	1.77	2.95	6.68	1.31	30.56
1910	0.56	0.63	T	0.96	5.11	1.94	2.12	4.52	1.56	0.52	T	0.69	17.72
1911	0.02	4.23	0.10	2.19	4.66	T	5.95	4.32	10.56	0.94	0.87	0.05	36.89
1912	0.12	2.32	3.07	3.87	5.18	3.27	1.28	3.14	3.36	2.18	0.50	0.85	29.14
1913	0.41	2.43	0.30	1.83	0.97	1.36	1.28	3.12	3.52	4.18	1.73	0.93	21.94
1914	T	1.58	1.13	1.70	4.31	3.83	1.60	3.68	3.39	1.38	0.11	0.61	23.32
1915	1.35	4.61	1.97	3.29	8.34	5.90	3.82	4.81	4.69	1.66	0.39	0.40	41.23
1916	1.90	0.13	1.50	3.87	5.11	8.32	0.10	1.26	0.32	3.22	0.93	0.46	29.82
1917	0.41	T	0.66	2.52	4.84	0.32	1.41	4.69	0.92	0.11	0.21	0.16	16.11
1918	0.89	1.93	2.44	4.14	5.86	1.29	1.21	1.19	1.80	5.98	3.62	0.31	38.56
1919	T	2.49	2.37	4.40	4.72	2.68	0.71	1.61	0.23	1.64	1.99	0.14	22.98
1920	0.41	0.32	1.13	1.56	2.97	3.76	4.05	4.16	2.75	2.68	1.76	0.58	29.95
1921	1.30	0.14	2.18	4.09	4.11	3.74	0.11	4.05	0.52	T	0.52	0.25	23.37
1922	0.88	1.38	3.39	6.12	5.60	3.98	8.46	2.12	2.00	2.59	5.35	0.06	41.94
1923	0.02	T	1.70	1.64	5.47								

MONTHLY AND SEASONAL DEGREE DAYS

WICHITA, KANSAS
MUNICIPAL AIRPORT
1953

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1899-1900	0	0	49	142	424	983	856	984	645	210	73	0	4366
1900-01	0	0	60	139	617	862	926	949	638	351	58	0	4600
1901-02	0	0	54	124	524	1004	1029	1020	556	284	42	14	4651
1902-03	0	2	78	160	516	1066	934	991	606	272	130	48	4803
1903-04	0	0	69	216	664	870	1004	856	498	373	96	8	4654
1904-05	0	0	20	184	474	970	1296	1169	387	318	64	0	4882
1905-06	3	0	4	334	516	926	886	786	952	180	79	0	4666
1906-07	0	1	16	304	675	830	972	794	391	456	244	4	4687
1907-08	0	3	28	214	604	836	850	745	449	270	98	0	4097
1908-09	0	0	51	296	560	838	1066	755	677	332	104	0	4679
1909-10	0	0	20	252	430	1244	994	956	252	235	175	13	4571
1910-11	0	4	24	186	559	926	916	768	512	308	114	0	4317
1911-12	0	1	6	304	732	973	1338	958	974	312	70	16	5684
1912-13	0	0	132	178	544	895	1066	1068	751	231	61	24	4950
1913-14	0	0	73	358	414	918	822	924	581	304	103	2	4499
1914-15	0	0	13	208	424	1218	1024	712	966	150	186	12	4913
1915-16	1	13	38	142	435	848	1176	918	513	387	102	3	4576
1916-17	0	0	50	249	570	1054	967	901	603	346	234	10	4984
1917-18	0	6	25	445	467	1198	1414	810	442	425	58	0	5290
1918-19	0	0	73	188	606	858	1012	867	571	330	112	46	4663
1919-20	0	0	8	318	704	1140	1032	810	554	423	91	14	5094
1920-21	0	0	34	140	724	904	804	639	436	280	80	0	4041
1921-22	0	0	8	158	581	881	1062	818	626	288	40	8	4470
1922-23	0	0	16	184	521	888	731	880	726	280	126	1	4353
1923-24	0	0	12	349	532	820	1150	802	847	278	195	4	4989
1924-25	0	0	50	119	516	1178	1204	668	458	144	126	0	4463
1925-26	0	0	34	514	596	952	982	608	708	442	63	8	4907
1926-27	0	0	104	187	694	960	978	680	624	211	83	17	4538
1927-28	0	4	85	108	562	1096	890	764	532	384	54	32	4511
1928-29	0	2	18	201	603	850	1198	1054	494	226	145	12	4803

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30	0	0	28	195	811	390	1424	462	650	151	98	18	4727
1930-31	0	0	15	306	538	914	306	742	326	176	0	4423	
1931-32	0	0	4	131	466	710	1008	632	833	181	55	0	4020
1932-33	0	0	22	279	678	1042	698	880	544	248	66	0	4457
1933-34	0	0	9	172	469	756	883	760	618	228	36	0	3931
1934-35	0	2	84	92	461	956	908	715	398	372	184	20	4192
1935-36	0	7	34	280	695	936	1148	1160	438	315	24	2	5039
1936-37	0	0	60	290	607	780	1261	878	750	287	64	11	4994
1937-38	0	0	26	252	692	974	910	731	412	282	111	0	4390
1938-39	0	0	26	100	637	836	760	973	530	320	34	0	4216
1939-40	0	0	38	150	566	742	1532	882	602	342	74	8	4936
1940-41	0	0	41	73	731	952	948	852	756	250	28	0	4538
1941-42	0	0	46	213	588	783	1023	874	600	206	143	16	4497
1942-43	0	0	114	209	548	1008	1086	690	813	187	186	0	4639
1943-44	0	0	18	237	627	1029	878	762	746	409	89	2	4797
1944-45	0	0	30	143	525	1037	956	830	424	371	191	25	4532
1945-46	0	0	65	227	514	1143	930	587	357	156	136	27	4142
1946-47	0	6	36	167	604	776	960	931	787	352	114	13	4746
1947-48	5	0	17	67	703	889	1148	955	781	120	83	1	4769
1948-49	0	0	19	185	630	871	1280	899	661	293	30	0	4688
1949-50	0	0	59	218	426	861	1065	710	704	392	74	12	4521
1950-51	0	10	28	99	672	937	1010	757	772	408	69	19	4781
1951-52	0	0	59	293	758	964	879	704	747	338	71	0	4813
1952-53	0	0	15	276	643	984	846	670	481	403	156	0	4474
1953	1	0	9	159	542	876							

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation and snowfall in inches; wind movement in miles per hour; and relative humidity in percent.

Sky cover is expressed in a range of 0 for no clouds or obscurations to 10 for complete sky cover. Degree days are based on daily average temperatures of 65°F. Sleet and hail were included in snowfall totals beginning with July 1948.

Heavy fog in the Means and Extremes Table also includes data referred to at various times in the past as "Dense" or "Thick". The upper visibility limit for heavy fog is 1/4 mile.

Below-zero temperatures are preceded by a minus sign.

The horizontal lines drawn on the Average Temperature, Total Precipitation, Monthly and Seasonal Degree Days, and Monthly and Seasonal Snowfall tables separate the data according to station location (see Station Location table).

Less than one-half.

No record.

Also on earlier dates, months, or years.

Trace, an amount too small to measure.

Mean values at the end of the Average Temperature and Total Precipitation tables are long-term averages based on the period of record beginning in 1888. Values have not been corrected for changes in instrument location listed in the Station Location table.

Data for earlier years may be obtained by contacting the Weather Bureau office in the city for which this summary was issued.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude	Longitude	Elevation above								Remarks
						Sea level		Ground						
						Ground	Actual barometer elevation (ft.)	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gauge	Weighing rain gauge	8" rain gauge
Sedgwick Bldg., 5th Fl., Douglas & Main Sts.	6/13/88	3/31/08		37° 41'	97° 20'	1300	1358	86	79	78	72	72		Original location.
111-113 E. Douglas Ave.	3/31/08	6/30/11	200' S	37° 41'	97° 20'	1300	1377	121	99	98	91	91		Moved for better exposure.
Beacon Bldg., Suite 611 1st Block S. Main St.	6/30/11	2/28/17	200' S	37° 41'	97° 20'	1300	1364	158	140	139	132	132		Moved for better exposure.
Beacon Bldg., 10th Floor 1st Block S. Main St.	2/28/17	4/26/32		37° 41'	97° 20'	1300	1410	158	140	139	132	132		
New Post Office Bldg., 3rd & Market Sts.	4/26/32	11/29/40	2000' NNE	37° 41'	97° 20'	1300	1362	93	86	85	78	78		Moved to Federal Building.
Municipal Airport, Second Floor	11/29/40	9/27/44	5 mi. SE	37° 38'	97° 16'	1372	1403	61	6	5	4	4		Consolidation at Airport Station.
Municipal Airport (Roof)	9/27/44	11/30/53	Same bldg.	37° 38'	97° 16'	1372	1417	61	51	50	43	43		Moved instrument shelter and rain gages to roof.
Weather Bureau Bldg. New Municipal Airport	12/1/53		8.7 mi WNW	37° 39'	97° 25'	1321	1325	32	5	5	4	4		Moved to New Municipal Airport.

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